Journal of Sports Sciences

VOLUME 23 · NUMBER 1 · JANUARY 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

ESTON, R. 1–3
The Impact Factor: a misleading and flawed measure of research quality

PAPERS

TAULER, P., AGUILÓ, A., GUIX, P., JIMÉNEZ, F., VILLA, G., TUR, J. A., CÓRDOVA, A. AND PONS, A. 5–13
Pre-exercise antioxidant enzyme activities determine the antioxidant enzyme erythrocyte response to exercise

SCOTT, C.B. AND KEMP, R.B. 15–19
Direct and indirect calorimetry of lactate oxidation: implications for whole-body energy expenditure

SPENDIFF, O. AND CAMPBELL, I.G. 21–30
Influence of pre-exercise glucose ingestion of two concentrations on paraplegic athletes

COOKE, K. AND DAVEY, P.R. 31–39
Tennis ball diameter: the effect on performance and the concurrent physiological responses

IMPELLIZZERI, F.M., RAMPININI, E., SASSI, A., MOGNONI, P. AND MARCORA, S. 41–47
Physiological correlates to off-road cycling performance

CHATZISARANTIS, N.L.D., HAGGER, M.S., BIDDLE, S.J.H. AND SMITH, B. 49–61
The stability of the attitude–intention relationship in the context of physical activity

JAMES, N., MELLALIEU, S.D. AND JONES, N.M.P. 63–72
The development of position-specific performance indicators in professional rugby union

MAUGHAN, R.J., SHIRREFFS, S.M., MERSON, S.J. AND HORSWILL, C.A. 73–79
Fluid and electrolyte balance in elite male football (soccer) players training in a cool environment

MACKENZIE, S.J. AND SPRIGINGS, E.J. 81–87
Evaluation of the plumb-bob method for reading greens in putting

BOOK REVIEW 89

VOLUME 23 · NUMBER 2 · FEBRUARY 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

CABLE, T. and NEVILL, A. 91–92
BASES Annual Conference, 7–9th September 2004, Liverpool, UK

ANNUAL CONFERENCE OF THE BRITISH ASSOCIATION OF SPORT AND EXERCISE SCIENCES

PART I: Biomechanics 93–113
PART II: Kinanthropometry 113–118
PART III: Nutrition and biochemistry 118–121
PART IV: Physiology 121–156
PART V: Psychology 156–189
PART VI: Sport performance 189–210
PART VII: Interdisciplinary 210–223

VOLUME 23 · NUMBER 3 · MARCH 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

WILLIAMS, A. M. 225–226
Extending scientific knowledge through the study of sport and exercise psychology

PAPERS

COLEMAN, S. G. S. AND RANKIN, A. J. 227–234
A three-dimensional examination of the planar nature of the golf swing

RUIZ, F., IRAZUSTA, A., GIL, S., IRAZUSTA, J., CASIS, L. AND GIL, J. 235–242
Nutritional intake in soccer players of different ages

AHMADIZAD, S. AND EL-SAYED, M.S. 243–249
The acute effects of resistance exercise on the main determinants of blood rheology

BURNS, S.F., CORRIE, H., HOLDER, E., NIGHTINGALE, T. AND STENSEL, D.J. 251–260
A single session of resistance exercise does not reduce postprandial lipaemia

MORLEY, B. AND THOMAS, D. 261–268
An investigation of home advantage and other factors affecting outcomes in English one-day cricket matches

MOTA, J., SILVA, P., SANTOS, M.P., RIBEIRO, J.C., OLIVEIRA, J. AND DUARTE, J.A. 269–275
Physical activity and school recess time: Differences between the sexes and the relationship between children's playground physical activity and habitual physical activity

PALMER, C.L., BURWITZ, L., DYER, A.N. AND SPRAY, C.M. 277–288
Endurance training adherence in elite junior netball athletes: A test of the theory of planned behaviour and a revised theory of planned behaviour

KEYTEL, L.R., GOEDECKE, J.H., NOAKES, T.D., HIILOSKORPI, H., LAUKKANEN, R., VAN DER MERWE, L. AND LAMBERT, E.V. 289–297
Prediction of energy expenditure from heart rate monitoring during submaximal exercise

DUFFIELD, R., DAWSON, B. AND GOODMAN, C. 299–307
Energy system contribution to 400-metre and 800-metre track running

SEIFERT, L. AND CHOLLET, D. 309–320
A new index of flat breaststroke propulsion: A comparison of elite men and women

ATKINSON, G., TODD, C., REILLY, T. AND WATERHOUSE, J. 321–329
Diurnal variation in cycling performance: Influence of warm-up

FORTHCOMING EVENTS 331–332

ERRATA 333–334

VOLUME 23 · NUMBER 4 · APRIL 2005 · ISSN 0264-0414

CONTENTS

SPECIAL ISSUE: HOME ADVANTAGE
Guest Editors: Nigel Balmer, Alan Nevill and Sandy Wolfson

EDITORIAL *pages*

NEVILL, A., BALMER, N. AND WOLFSON, S. 335–336
The extent and causes of home advantage: Some recent insights

PAPERS

POLLARD, R. AND POLLARD, G. 337–350
Long-term trends in home advantage in professional team sports in North America and England (1876–2003)

SMITH, D.R. 351–364
Disconnects between popular discourse and home advantage research: What can fans and media tell us about the home advantage phenomenon?

WOLFSON, S., WAKELIN, D. AND LEWIS, M. 365–374
Football supporters' perceptions of their role in the home advantage

CLARKE, S.R. 375–385
Home advantage in the Australian football league

JONES, M.V., BRAY, S.R. AND OLIVIER, S. 387–393
Game location and aggression in rugby league

CARRON, A.V., LOUGHHEAD, T.M. AND BRAY, S.R. 395–407
The home advantage in sport competitions: Courneya and Carron's (1992) conceptual framework a decade later

BALMER, N.J., NEVILL, A.M. AND LANE, A.M. 409–416
Do judges enhance home advantage in European championship boxing?

KONING, R.H. 417–427
Home advantage in speed skating: Evidence from individual data

WALLACE, H.M., BAUMEISTER, R.F. AND VOHS, K.D. 429–438
Audience support and choking under pressure: A home disadvantage?

FORREST, D., BEAUMONT, J., GODDARD, J. AND SIMMONS, R. 439–445
Home advantage and the debate about competitive balance in professional sports leagues

VOLUME 23 · NUMBER 5 · MAY 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

STENSEL, D. 447
Should reviewers' names be included at the end of journal papers?

PAPERS

NELSON, A.G., DRISCOLL, N.M., LANDIN, D.K., YOUNG, M.A. AND SCHEXNAYDER, I.C. 449–454
Acute effects of passive muscle stretching on sprint performance

GREGSON, W.A., BATTERHAM, A., DRUST, B. AND CABLE, N.T. 455–464
The influence of pre-warming on the physiological responses to prolonged intermittent exercise

CHASE, M.A., MAGYAR, T.M. AND DRAKE, B.M. 465–475
Fear of injury in gymnastics: Self-efficiency and psychological strategies to keep on tumbling

EKKEKAKIS, P., HALL, E.E. AND PETRUZZELLO, S.J. 477–500
Variation and homogeneity in affective responses to physical activity of varying intensities: An alternative perspective on dose–response based on evolutionary considerations

RING, C., CARROLL, D., HOVING, J., ORMEROD, J., HARRISON, L.K. AND DRAYSON, M. 501–508
Effects of competition, exercise, and mental stress on secretory immunity

HUGHES, M. AND FRANKS, I. 509–514
Analysis of passing sequences, shots and goals in soccer

MALINA, R.M., CUMMING, S.P., KONTOS, A.P., EISENMANN, J.C., RIBEIRO, B. AND AROSO, J. 515–522
Maturity-associated variation in sport-specific skills of youth soccer players aged 13–15 years

DUTHIE, G., PYNE, D. AND HOOPER, S. 523–530
Time motion analysis of 2001 and 2002 super 12 rugby

SUNDERLAND, C. AND NEVILL, M.E. 531–540
High-intensity intermittent running and field hockey skill performance in the heat

DEMURA, S., YAMAJI, S., NAKADA, M., KITABASHI, T. AND MINAMI, M. 541–548
Prediction equation for head volume of Japanese young adults

MORTON, R.H. 549–557
On repeated measures designs: Hierarchical structures and time trends

VOLUME 23 · NUMBER 6 · JUNE 2005 · ISSN 0264-0414

CONTENTS

SPECIAL ISSUE: PREPARATION AND TRAINING FOR SOCCER
Guest Editors: Thomas P. Reilly and A. Mark Williams

EDITORIAL *pages*

WILLIAMS, A.M. AND REILLY, T.P. 559
Fail to prepare, prepare to fail

PAPERS

REILLY, T. 561–572
An ergonomics model of the soccer training process

HOFF, J. 573–582
Training and testing physical capacities for elite soccer players

IMPELLIZZERI, F.M., RAMPININI, E. AND MARCORA, S.M. 583–592
Physiological assessment of aerobic training in soccer

MOHR, M., KRUSTRUP, P. AND BANGSBO, J. 593–599
Fatigue in soccer: A brief review

SVENSSON, M. AND DRUST, B. 601–618
Testing soccer players

REILLY, T. AND EKBLOM, B. 619–627
The use of recovery methods post-exercise

HELSEN, W.F., VANWINCKEL, J. AND WILLIAMS, A.M. 629–636
The relative age effect in youth soccer across Europe

WILLIAMS, A.M. AND HODGES, N.J. 637–650
Practice, instruction and skill acquisition in soccer: Challenging tradition

GILBOURNE, D. AND RICHARDSON, D. 651–658
A practitioner-focused approach to the provision of psychological support in soccer: Adopting action research themes and processes

VOLUME 23 · NUMBER 7 · JULY 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

BISHOP, N. 659
Exercise immunology: Some observations on this expanding field

PAPERS

ELLIOT, B., PLUNKETT, D. AND ALDERSON, J. 661–667
The effect of altered pitch length on performance and technique in junior fast bowlers

JACKLIN, P. B. 669–680
Temporal changes in home advantage in English football since the Second World War: What explains improved away performance?

BRAY, S. R., OBARA, J. AND KWAN, M. 681–686
Batting last as a home advantage factor in men's NCAA tournament baseball

McGUIGAN, M. R., GHIAGIARELLI, J. AND TOD, D. 687–692
Maximal strength and cortisol responses to psyching-up during the squat exercise

SARRE, G., LEPERS, R. AND VAN HOECKE, J. 693–701
Stability of pedalling mechanics during a prolonged cycling exercise performed at different cadences

LINTHORNE, N. P., GUZMAN, M. S. AND BRIDGETT, L. A. 703–712
Optimum take-off angle in the long jump

LI, T.-L. AND GLEESON, M. 713–722
The effects of carbohydrate supplementation during repeated bouts of prolonged exercise on saliva flow rate and immunoglobulin A

STRIEGEL, H., VOLLKOMMER, G., HORSTMANN, T. AND NIESS, A. M. 723–726
Contaminated nutritional supplements – legal protection for elite athletes who tested positive: A case report from Germany

LUNDQVIST, C. AND HASSMÉN, P. 727–736
Competitive State Anxiety Inventory-2 (CSAI-2): Evaluating the Swedish version by confirmatory factor analyses

NIKODELIS, T., KOLLIAS, I. AND HATZITAKI, V. 737–745
Bilateral inter-arm coordination in freestyle swimming: Effect of skill level and swimming speed

VAEYENS, R., PHILIPPAERTS, R. M. AND MALINA, R. M. 747–756
The relative age effect in soccer: A match-related perspective

DALLAM, G. M., WILBER, R. L., JADELIS, K., FLETCHER, G. AND ROMANOV, N. 757–764
Effect of a global alteration of running technique on kinematics and economy

BOWER, R. AND CROSS, R. 765–771
String tension effects on tennis ball rebound speed and accuracy during playing conditions

VOLUME 23 · NUMBER 8 · AUGUST 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

WINTER, N. 773
Writing: Bartlett revisited

PAPERS

TAN, J. C. C. AND YEADON, M. R. 775–780
Why do high jumpers use a curved approach?

AKUTAGAWA, S. AND KOJIMA, T. 781–793
Trunk rotation torques through the hip joints during the one- and two-handed backhand tennis strokes

WILES, J. D., COLEMAN, D., DUNFORD, M. AND SWAINE, I. 795–803
A novel method for the performance of isometric exercise in the home

JEGEDE, E., WATTS, S., STITT, L. AND HORE, J. 805–816
Timing of ball release in overarm throws affects ball speed in unskilled but not skilled individuals

FOLLAND, J. P., HAWKER, K., LEACH, B., LITTLE, T. AND JONES, D. A. 817–824
Strength training: Isometric training at a range of joint angles versus dynamic training

MAKRAS, P., KOUKOULIS, G. N., BOURIKAS, G., PAPATHEODOROU, G., BEDEVIS, K., MENOUNOS, P., PAPPAS, D. AND KARTALIS, G. 825–834
Effect of 4 weeks of basic military training on peripheral blood leucocytes and urinary excretion of catecholamines and cortisol

PRICE, M. AND HALABI, K. 835–842
The effects of work – rest duration on intermittent exercise and subsequent performance

RAHNAMA, N., RAHMANI-NIA, F. AND EBRAHIM, K. 843–850
The isolated and combined effects of selected physical activity and ibuprofen on delayed-onset muscle soreness

KUBO, K., KANEHISA, H. AND FUKUNAGA, T. 851–860
Effects of viscoelastic properties of tendon structures on stretch – shortening cycle exercise *in vivo*

LARSSON, P. AND HENRIKSSON-LARSÉN, K. 861–870
Combined metabolic gas analyser and dGPS analysis of performance in cross-country skiing

LENOIR, M., VANSTEENKISTE, J., VERMEULEN, J. AND DE CLERQ, D. 871–879
Effects of contrasting colour patterns of the ball in the volleyball reception

VOLUME 23 · NUMBER 9 · SEPTEMBER 2005 · ISSN 0264-0414

CONTENTS

PAPERS	*pages*
MAUGHAN, R. J. Contamination of dietary supplements and positive drug tests in sport	883–889
GRAHAM-SMITH, P. AND LEES, A. A three-dimensional kinematic analysis of the long jump take-off	891–903
HARDY, J., HALL, C. R. AND HARDY, L. Quantifying athlete self-talk	905–917
SCARF, P. AND GREHAN, P. An empirical basis for route choice in cycling	919–925
MURRAY, A., AITCHISON, T. C., ROSS, G., SUTHERLAND, K., WATT, I., McLEAN, D. AND GRANT, S. The effect of towing a range of relative resistances on sprint performance	927–935
HERTOGH, C., CHAMARI, K., DAMIANI, M., MARTIN, R., HACHANA, Y., BLONC, S. AND HUE, O. Effects of adding a preceding run-up on performance, blood lactate concentration and heart rate during maximal intermittent vertical jumping	937–942
TEIXEIRA, L. A., LIMA, E. D. S. AND FRANZONI, M. M. The continuous nature of timing reprogramming in an interceptive task	943–950
SHORT, S. E., TENUTE, A. AND FELTZ, D. L. Imagery use in sport: Mediational effects for efficacy	951–960
GABBETT, T. J. Science of rugby league football: A review	961–976
OMMUNDSEN, Y., ROBERTS, G. C., LEMYRE, P.-N. AND MILLER, B. W. Peer relationships in adolescent competitive soccer: Associations to perceived motivational climate, achievement goals and perfectionism	977–989
BOOK REVIEW	991

VOLUME 23 · NUMBER 10 · OCTOBER 2005 · ISSN 0264-0414

CONTENTS

PAPERS	*pages*
DUFFIELD, R., DAWSON, B. AND GOODMAN, C. Energy system contribution to 1500- and 3000-metre track running	993–1002
VAEYENS, R., COUTTS, A. AND PHILIPPAERTS, R. M. Evaluation of the "under-21 rule": Do young adult soccer players benefit?	1003–1012
EDGAR, S. AND O'DONOGHUE, P. Season of birth distribution of elite tennis players	1013–1020
PALUT, Y. AND ZANONE, P.-G. A dynamical analysis of tennis: Concepts and data	1021–1032
LENOIR, M., DE CLERCQ, D. AND LAPORTE, W. The "how" and "why" of the ancient Greek long jump with weights: A five-fold symmetric jump in a row?	1033–1043

KELLIS, E., ARAMBATZI, F. AND PAPADOPOULOS, C. 1045–1055
Effects of load on ground reaction force and lower limb kinematics during concentric squats

CARTER, J. E. L., ACKLAND, T. R., KERR, D. A. AND STAPFF, A. B. 1057–1063
Somatotype and size of elite female basketball players

NIAKARIS, K., MAGKOS, F., GELADAS, N. AND SIDOSSIS, L. S. 1065–1073
Insulin sensitivity derived from oral glucose tolerance testing in athletes: Disagreement between available indices

ROBAZZA, C. AND BORTOLI, L. 1075–1088
Changing students' attitudes towards risky motor tasks: An application of the IZOF model

IRWIN, G., HANTON, S. AND KERWIN, D. G. 1089–1099
The conceptual process of skill progression development in artistic gymnastics

KYRÖLÄINEN, H., AVELA, J. AND KOMI, P. V. 1101–1109
Changes in muscle activity with increasing running speed

LAURSEN, P. B., KNEZ, W. L., SHING, C. M., LANGILL, R. H., RHODES, E. C. AND JENKINS, D. G. 1111–1120
Relationship between laboratory-measured variables and heart rate during an ultra-endurance triathlon

IOSSIFIDOU, A., BALTZOPOULOS, V. AND GIAKAS, G. 1121–1127
Isokinetic knee extension and vertical jumping: Are they related?

HANTON, S., FLETCHER, D. AND COUGHLAN, G. 1129–1141
Stress in elite sport performers: A comparative study of competitive and organizational stressors

BOOK REVIEW 1143–1146

VOLUME 23 · NUMBER 11/12 · NOVEMBER/DECEMBER 2005 · ISSN 0264-0414

CONTENTS

EDITORIAL *pages*

WILLIAMS, C. 1147–1148
BASES Annual Conference, 4–7 September 2005, Loughborough University, UK

ANNUAL CONFERENCE OF THE BRITISH ASSOCIATION OF SPORT AND EXERCISE SCIENCES

PART I: Biomechanics 1149–1165
PART II: Kinanthropometry 1165–1167
PART III: Nutrition and biochemistry 1167–1175
PART IV: Physiology 1175–1233
PART V: Psychology 1233–1278
PART VI: Sport performance 1278–1303

ACKNOWLEDGEMENTS 1305–1307

AUTHOR INDEX 1309–1310

SUBJECT INDEX 1311–1318